

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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In re Patent Application of:  
Isami Hamamoto et al.

Application No.: 10/599,388

Confirmation No.: 7913

Filed: September 27, 2006

Art Unit: N/A

For: CYCLIC AMINE COMPOUND AND PEST  
CONTROL AGENT

Examiner: Not Yet Assigned

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT (IDS)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

This Information Disclosure Statement is submitted in accordance with 37 C.F.R. 1.97, 1.98, and it is requested that the information set forth in this statement and in the listed documents be considered during the pendency of the above-identified application, and any other application relying on the filing date of the above-identified application or cross-referencing it as a related application.

1. This IDS should be considered, in accordance with 37 C.F.R. 1.97, as it is filed:  
(Check one of the boxes A-D)

- ☐ A. within three months of the filing date of the above-identified national application or within three months of the entry into the national stage of the above identified national application
- ☒ B. before the mailing date of a first office action on the merits, or a first office action after filing a request for continued examination.
- ☐ C. after (A) and (B) above, but before final rejection or allowance, and Applicants have made the necessary statement in box "i" below or paid the necessary fee in box "ii" below.

(check one of the boxes "i" and "ii" below:)

- ☐ i. Counsel states that, upon information and belief, each item of information listed herein was (check one of boxes (a) or (b))
- ☐ (a) first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS; or
- ☐ (b) not cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of undersigned after making reasonable inquiry, was not known to any individual designated in 1.56(c) more than three months prior to the filing of this IDS.
- ☐ ii. A check for the fee set forth in 1. 17(p), presently believed to be \$180, is enclosed.
- ☐ D. after (A), (B) and (C) above, but before payment of the issue fee: Applicant petitions under 37 C.F.R. 1.97(d) for the consideration of this IDS. Under 37 CFR 1.17(i) a check in the amount of \$180.00 is enclosed. Counsel certifies that, upon information and belief, each item of information listed herein was

(check one of the boxes "a" and "b" below:)

- ☐ (a) first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS; or
- ☐ (b) was not cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of undersigned after making reasonable inquiry, was not known to any individual designated in 1.56(c) more than three months prior to the filing of this IDS.

2. In accordance with 37 C.F.R. 1.98, this IDS includes a list (e.g., form PTO/SB/08) of all patents, publications, or other information submitted for consideration by the office, either incorporated into this IDS or as an attachment hereto. A copy of each document listed is attached, except as explained below.

(check boxes A, B and/or C and fill in blanks, if appropriate.)

- ☐ A. Pursuant to the 37 C.F.R. § 1.98(a)(2)(ii), a copy/copies of the U.S. **Patent(s) and/or U.S. Patent Application Publication(s)** on PTO/SB08 is/are not being submitted.
- ☐ B. Document(s) \_\_\_\_\_ is (are) deemed substantially cumulative to document(s) \_\_\_\_\_, and, in accordance with 1.98(c), only a copy of each of the latter documents is enclosed.
- ☐ C. Certain documents were previously cited by or submitted to the Office in the following prior applications, which are relied upon under 35 U.S.C. 120:

<<INSERT SERIAL NO. & FILING DATE>>

Applicant identifies these documents by attaching hereto copies of the forms PTO-892, PTO-1449 and/or PTO/SB/08 from the files of the prior application(s) or a fresh PTO/SB/08 listing these documents, and request that they be considered and made of record in accordance with 1.98(d). Per 37 CFR 1.98(d), copies of these documents need not be filed in this application.

- ☒ 3. Cite No(s). BA is not in the English language. In accordance with 1.98(c), Applicant states:
- ☒ An English translation of each document (or of the pertinent portions thereof), or a copy of each corresponding English-language patent or application, or English-language abstract (or claim) is enclosed.
- ☐ The requirement for a concise explanation of the relevance of any foreign language document is satisfied by the attached search report; citation of the documents cited in the search report shall not be construed as an admission that they are or are considered to be, material to patentability of the subject matter claimed herein (See MPEP §609).
- ☐ A concise explanation of the relevance of document(s) \_\_\_\_\_ is set forth as follows: [Insert concise explanation of relevance]
- ☐ A concise explanation of the relevance of document(s) \_\_\_\_\_ can be found on page(s) \_\_\_\_\_ of the specification.
- ☐ A concise explanation of document(s) \_\_\_\_\_ can be found on the attached sheet.

- ☒ 4. No explanation of relevance is necessary for documents in the English language (see reply to Comments 67 in the preamble to the final rules; 1135 OG 13 at 20).
- ☐ 5. Other information being provided for the examiner's consideration follows:

[A/An \_\_\_\_\_ Search Report, dated \_\_\_\_\_, which issued during the prosecution of \_\_\_\_\_ Application No. \_\_\_\_\_ which corresponds to the present application.]


6. In accordance with 37 C.F.R. 1.97(g) and (h), the filing of this IDS should not be construed as a representation that a search has been made or that information cited is, or is considered to be, material to patentability as defined in §1.56 (b), or that any cited document listed or attached is (or constitutes) prior art. Unless other-wise indicated, the date of publication indicated for an item is taken from the face of the item and Applicant reserves the right to prove that the date of publication is in fact different.

Early and favorable consideration is earnestly solicited.

The Commissioner is authorized to charge any deficiency of up to \$300.00 or credit any excess in this fee to Deposit Account No. 04-0100.

Dated: January 12, 2007

Respectfully submitted,

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Attorneys/Agents For Applicant

Substitute for form 1449/PTO				<b>Complete if Known</b>	
<b>SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Application Number	10/599,388-Conf. #7913
				Filing Date	September 27, 2006
				First Named Inventor	Isami Hamamoto
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	1	of	2	Attorney Docket Number	20241/0205420-US0

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
	BA	JP-2001-081071	03-27-2001	Nippon Soda Co		✓

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	CA	Patent Abstracts of Japan for JP 2001-081070 published March, 27, 2001.	
	CB	Cooper, R.D.G., et al. "A Chiral Synthesis of D-Homoserine and its Application to the Synthesis of Nocardicin A." Tetrahedron Letters, 1978, No. 26, pg. 2243-2246.	
	CC	Albert, Jeffrey S., et al. "Design, Synthesis, and SAR of Tachykinin Antagonists: Modulation of Balance in NK <sub>1</sub> /NK <sub>2</sub> Receptor Antagonist Activity." Journal of Medicinal Chemistry, 2002, Vol. 45, No. 18, pg. 3972-3983.	
	CD	Eichler, Eva, et al. "1,8-Naphthyridines. Part I. Synthesis of Some Trifluoromethyl-1,8-naphthyridine Derivatives." Journal of Heterocyclic Chemistry, Vol. 13, No. 1, February 1976, pg. 41-42.	
	CE	Lowe, John A., et al. "Aza-Tricyclic Substance P Antagonists." Journal of Medical Chemistry, Vol. 37, No. 18, September 2, 1994, pg. 2831-2840.	
	CF	Ek, Fredrik, et al. "Aromatic Allylation via Diazotization: Metal-Free C-C Bond Formation." Journal of Organic Chemistry, Vol. 67, 2002, pg. 6376-6381.	
	CG	Kim, Deog-Il, et al. "Synthesis and Pharmacology of Site Specific Cocaine Abuse Treatment Agents: 8-Substituted Isotrope (3-Azabicyclo[3.2.1]octane) Dopamine Uptake." Journal of Medicinal Chemistry, Vol. 46, No. 8, April 10, 2003, pg. 1456-1464.	
	CH	Ferguson, John R., et al. "Efficient New Syntheses Of (+)- And (-)-Anatoxin-a. Revised Configuration of Resolved 9-Methyl-9-azabicyclo[4.2.1]nonan-2-one." Tetrahedron Letters, Vol. 36, No. 48, 1995, pg. 8867-8870.	
	CI	Comins, Daniel L., et al. "Reduction of N-Acyl-2,3-dihydro-4-pyridones to N-Acyl-4-piperidones Using Zinc/Acetic Acid." Journal of Organic Chemistry, Vol. 66, 2001, pg. 2181-2182.	
	CJ	Montska, Thomas A., et al. "2, 2, 2-Trichloroethyl Chloroformate: A General Reagent for Demethylation of Tertiary Methylamines." Tetrahedron Letters, No. 14, 1974, pg. 1325-1327.	
	CK	Comins, Daniel L., et al. "Addition of Grignard Reagents to 1-Acyl-4-Methoxypyridinium Salts. An Approach to the Synthesis of Quinolizidinones." Tetrahedron Letters, Vol. 27, No. 38, 1986, pg. 4549-4552.	
	CL	Taylor, Edward C., et al. "A Convenient Synthesis of 1-Aryl-4-Piperidones." International	
Examiner Signature	Date Considered		

Substitute for form 1449/PTO  <b>SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				<b>Complete if Known</b>	
				Application Number	10/599,388-Conf. #7913
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				First Named Inventor	Isami Hamamoto
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	2	of	2	Attorney Docket Number	20241/0205420-US0

		Journal of Methods in Synthetic Organic Chemistry, No. 8, 1981, pg. 606-608.	
	CM	Boswell, Robert F., et al. "Synthesis of Some N-Carboxylic Acid Derivatives of 3-Phenoxypyrrolidines, 4-Phenoxypiperidines, and 3-Phenoxynortropanes with Muscle Relaxant and Anticonvulsant Activities." Journal of Medicinal Chemistry, Vol. 17, No. 9, 1974, pg. 1000-1008.	
	CN	Idoux, John P., et al. "Aromatic Fluoroalkoxylation via Direct Aromatic Nucleophilic Substitution." Journal of Organic Chemistry, Vol. 48, No. 21, October 21, 1983, pg. 3771-3773.	
	CO	Gupton, John T., et al. "Regioselective Fluoroalkoxylation and Polyfluoroalkoxylation of Activated Polyhalobenzenes." Synthetic Communications, Vol. 14, No. 7, 1984, pg. 621-629.	
	CP	Gonzalez, Concepcion, et al. "Chapter 6: Synthesis of Phenols." The Chemistry of Phenols, Part 1, 2003, pg. 395-489.	
	CQ	McCarthy, James R., et al. "Stereospecific Syntheses of the Four Diastereomeric 2-Amino-5-phenoxycyclopentanols." Journal of Organic Chemistry, Vol. 50, No. 17, August 23, 1985, pg. 3095-3103.	
	CR	Gamer, G.V., et al. "Synthesis of Heterocyclic Compounds. Part XXIV. Cyclisation Studies with <i>ortho</i> -Substituted Arylcarbene and Arylnitrene Precursors." J. Chem. Soc., 1971, pg. 3693-3701.	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
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